

### Abstract of the Disclosure

A burst mode optical receiver includes: a photodiode which converts an input optical signal into a current signal; a pre-amplifier which converts the current signal into a voltage signal; a single-to-differential converter which converts the single voltage signal output from the pre-amplifier into differential signals; a post amplifier which amplifies the differential signals and cancels an offset occurring during the amplification or offsets inherited from the differential signals; and a discriminator which discriminates data from the differential signals.

5